IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:



- 1 (previously amended) A hearing aid with a microphone
- 2 system (1) and a subsequent analog/digital converter (5),
- 3 wherein the microphone system (1) is encapsulated in an
- 4 electromagnetic shielding case (3) forming a shielded
- 5 microphone system unit and further wherein the analog/digital
- 6 converter (5) is mounted on an outside of the electromagnetic
- 7 shielding case (3).
- 1 2. (previously amended) The hearing aid as claimed in
- 2 claim 1, wherein the analog/digital converter (5) is
- 3 encapsulated in a converter shielding case (7a, 7b) which is
- 4 set to the electrical potential of the electromagnetic
- 5 shielding case (3) of the microphone system.
- 1 3. (previously amended) The hearing aid as claimed in
- 2 claim 1, wherein the microphone system (1) and the
- 3 analog/digital converter (5) are detachably combined in
- 4 modular manner.
- 1 4. (previously amended) The hearing aid as claimed in
- 2 claim 1, wherein said analog/digital converter comprises first
- 3 and second analog inputs (E_1, E_2) , said first analog input
- 4 (E_1) having a first input impedance (Z_1) and a first input
- 5 gain (G_1) , said second analog input (E_2) having a second
- 6 input impedance (Z_2) and a second input gain (G_2) , and wherein
- 7 either said first and second input impedances (Z_1, Z_2) are
- 8 different from one another or said first and second input
- 9 gains (G_1, G_2) are different from one another.

- (previously added) The hearing aid as claimed in 1 5. 2 2, claim wherein the microphone system (1)and the 3 analog/digital converter (5) are detachably combined in 4 modular manner.
- (previously amended) The hearing aid as claimed in 1 2 claim 2, wherein said analog/digital converter comprises first and second analog inputs (E_1, E_2) , said first analog input 3 4 (E_1) having a first input impedance (Z_1) and a first input 5 gain (G_1) , said second analog input (E_2) having a second input impedance (\mathbf{Z}_2) and a second input gain (\mathbf{G}_2) , and wherein 6 7 either said first and second input impedances (Z_1, Z_2) are 8 different from one another or said first and second input 9 gains (G_1, G_2) are different from one another.
- 1 (previously amended) The hearing aid as claimed in 2 claim 3, wherein said analog/digital converter comprises-first and second analog inputs (E_1, E_2) , said first analog input 3 (E_1) having a first input impedance (Z_1) and a first input 4 gain (G_1) , said second analog input (E_2) having a second 5 input impedance (Z_2) and a second input gain (G_2) , and wherein 6 either said first and second input impedances (Z_1, Z_2) are 7 different from one another or said first and second input 8 9 gains (G_1, G_2) are different from one another.
- 1 (8) (previously added) A hearing aid comprising:
 2 a microphone;
 3 an electromagnetic shielding case for encapsulating said
 4 microphone; and
 5 an analog/digital converter mounted on an outside of said
 6 electromagnetic shielding case and
 7 electromagnetically shielded from said microphone.

Appl. No. 09/502,258
Amdt. Dated June 12, 2003
Reply to Office action of February 12, 2003

8	(new) A hearing aid comprising:
9	a microphone;
10	an electromagnetic shielding case for encapsulating said
11	microphone; and
12	an analog/digital converter mounted in such a manner that
13	it is electromagnetically shielded from said
14	microphone.